

M e m o r a n d u m

Date : July 6, 1998

To : Mark Cowin, CALFED

Francis Chung
Delta Modeling Section
Modeling Support Branch
From : Department of Water Resources

Subject: Continuation of Model Studies of CALFED Alternatives

Per your request, the hydrodynamics and water quality changes in the Delta were analyzed when North Fork of Mokelumne River improvements were replaced with South Fork improvements. A 16 year simulation (1976-1991) was carried out with DWR's Delta Simulation Model, DWRDSM2, and using DWRSIM study 532a. Specifically, this report includes:

1. A brief description of the Delta Alternative, the hydrology and operating assumptions used.
2. Comparison of Delta flows, Delta electrical conductivity, and monthly and minimum water levels at key locations of the Delta.

The analysis is comparable to the results for the other alternatives present in the "Status Report on Technical Studies for the Storage and Conveyance Refinement Process" (January 16, 1998).

Delta-wide model results will be posted on the Delta Modeling Section's www page, <http://wwwdelmod.water.ca.gov/CalFed>. If you have further questions, please call me at (916) 653-5601.

Attachment

cc: Katherine Kelly (w/o attachment)
George Barnes (w/o attachment)